Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081315\
Data File : BF080980.D
Acq On : 13 Aug 2015 14:36
Operator : UM/IZ
Sample : G3248-11MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
BNA_F
**ClientSampleId :**
CSB-03MS

**Manual Integrations APPROVED**
MMDadoda
8/14/2015 3:08:35 PM

Quant Time: Aug 14 05:54:06 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF080715.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Aug 08 01:33:05 2015
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Dichlorobenzene-d4 | 6.75 | 152 | 61172 | 20.00 | ng | | -0.06 |
| 21) Naphthalene-d8 | 8.04 | 136 | 194594 | 20.00 | ng | | -0.06 |
| 38) Acenaphthene-d10 | 9.79 | 164 | 84584 | 20.00 | ng | | -0.06 |
| 63) Phenanthrene-d10 | 11.26 | 188 | 181854 | 20.00 | ng | | -0.06 |
| 75) Chrysene-d12 | 13.89 | 240 | 159871 | 20.00 | ng | | -0.07 |
| 86) Perylene-d12 | 15.27 | 264 | 98878 | 20.00 | ng | | -0.09 |
| **System Monitoring Compounds** | | | | | | | |
| 5) 2-Fluorophenol | 5.34 | 112 | 258897 | 69.15 | ng | | -0.03 |
| 7) Phenol-d6 | 6.38 | 99 | 419689 | 81.80 | ng | | -0.06 |
| 23) Nitrobenzene-d5 | 7.31 | 82 | 281206 | 68.35 | ng | | -0.07 |
| 41) 2,4,6-Tribromophenol | 10.57 | 330 | 44237 | 47.61 | ng | | -0.07 |
| 44) 2-Fluorobiphenyl | 9.12 | 172 | 401125 | 66.76 | ng | | -0.06 |
| 78) Terphenyl-d14 | 12.84 | 244 | 278516 | 35.98 | ng | | -0.07 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) 1,4-Dioxane | 2.32 | 88 | 33349 | 18.78 | ng | | 93 |
| 3) Pyridine | 3.01 | 79 | 77170 | 15.32 | ng | # | 84 |
| 4) n-Nitrosodimethylamine | 2.94 | 42 | 62190 | 24.19 | ng | | 85 |
| 6) Aniline | 6.41 | 93 | 119608 | 15.87 | ng | # | 80 |
| 8) 2-Chlorophenol | 6.53 | 128 | 113171 | 26.12 | ng | | 95 |
| 9) Benzaldehyde | 6.29 | 77 | 84194 | 24.35 | ng | | 97 |
| 10) Phenol | 6.40 | 94 | 125718 | 20.65 | ng | | 80 |
| 11) bis(2-Chloroethyl)ether | 6.49 | 93 | 104509 | 22.99 | ng | | 93 |
| 12) 1,3-Dichlorobenzene | 6.69 | 146 | 111297 | 24.21 | ng | | 100 |
| 13) 1,4-Dichlorobenzene | 6.77 | 146 | 122399 | 25.62 | ng | | 99 |
| 14) 1,2-Dichlorobenzene | 6.92 | 146 | 112723 | 26.10 | ng | | 98 |
| 15) Benzyl Alcohol | 6.90 | 79 | 115107 | 27.42 | ng | | 97 |
| 16) 2,2'-oxybis(1-Chloropropan | 7.04 | 45 | 222470 | 24.33 | ng | | 99 |
| 17) 2-Methylphenol | 7.01 | 107 | 94702 | 25.61 | ng | | 94 |
| 18) Hexachloroethane | 7.26 | 117 | 49140 | 26.85 | ng | | 92 |
| 19) n-Nitroso-di-n-propylamine | 7.17 | 70 | 96874 | 25.83 | ng | | 97 |
| 20) 3+4-Methylphenols | 7.16 | 107 | 114215 | 24.59 | ng | # | 76 |
| 22) Acetophenone | 7.16 | 105 | 172656 | 36.21 | ng | # | 93 |
| 24) Nitrobenzene | 7.33 | 77 | 137932 | 32.56 | ng | | 98 |
| 25) Isophorone | 7.57 | 82 | 223068 | 28.20 | ng | # | 93 |
| 26) 2-Nitrophenol | 7.65 | 139 | 53210 | 29.85 | ng | | 94 |
| 27) 2,4-Dimethylphenol | 7.70 | 122 | 104445 | 31.30 | ng | | 98 |
| 28) bis(2-Chloroethoxy)methane | 7.79 | 93 | 131830 | 27.76 | ng | | 97 |
| 29) 2,4-Dichlorophenol | 7.89 | 162 | 81697 | 29.80 | ng | | 97 |
| 30) 1,2,4-Trichlorobenzene | 7.98 | 180 | 82846 | 27.64 | ng | | 99 |
| 31) Naphthalene | 8.05 | 128 | 358719 | 33.44 | ng | | 99 |
| 33) 4-Chloroaniline | 8.11 | 127 | 76056 | 17.45 | ng | | 97 |
| 34) Hexachlorobutadiene | 8.18 | 225 | 48457 | 27.17 | ng | | 95 |
| 35) Caprolactam | 8.46 | 113 | 26969 | 27.34 | ng | # | 45 |
| 36) 4-Chloro-3-methylphenol | 8.59 | 107 | 84555 | 25.27 | ng | | 98 |
| 37) 2-Methylnaphthalene | 8.75 | 142 | 201292 | 29.48 | ng | | 98 |
| 39) 1,2,4,5-Tetrachlorobenzene | 8.91 | 216 | 62361 | 23.91 | ng | # | 96 |
| 40) Hexachlorocyclopentadiene | 8.90 | 237 | 80789 | 56.78 | ng | | 96 |
| 42) 2,4,6-Trichlorophenol | 9.02 | 196 | 41681 | 21.81 | ng | | 99 |

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|---|---|---|---|---|---|---|---|
| 43) 2,4,5-Trichlorophenol | 9.06 | 196 | 35867 | 18.62 | ng | # | 70 |
| 45) 1,1'-Biphenyl | 9.21 | 154 | 185820 | 25.60 | ng | | 97 |
| 46) 2-Chloronaphthalene | 9.23 | 162 | 142557 | 25.19 | ng | | 93 |
| 47) 2-Nitroaniline | 9.33 | 65 | 68117 | 30.02 | ng | # | 83 |
| 48) Acenaphthylene | 9.64 | 152 | 237871 | 24.18 | ng | | 100 |
| 49) Dimethylphthalate | 9.52 | 163 | 225962 | 32.16 | ng | | 99 |
| 50) 2,6-Dinitrotoluene | 9.57 | 165 | 39849 | 27.45 | ng | | 89 |
| 51) Acenaphthene | 9.81 | 154 | 134678 | 22.35 | ng | | 99 |
| 52) 3-Nitroaniline | 9.73 | 138 | 34864 | 19.48 | ng | # | 82 |
| 54) Dibenzofuran | 9.98 | 168 | 202048 | 24.80 | ng | | 92 |
| 55) 4-Nitrophenol | 9.90 | 139 | 45141 | 33.70 | ng | | 90 |
| 56) 2,4-Dinitrotoluene | 9.97 | 165 | 55452 | 28.55 | ng | | 88 |
| 57) Fluorene | 10.33 | 166 | 162423 | 25.77 | ng | | 99 |
| 58) 2,3,4,6-Tetrachlorophenol | 10.11 | 232 | 22498 | 14.76 | ng | # | 86 |
| 59) Diethylphthalate | 10.21 | 149 | 203484 | 27.82 | ng | | 99 |
| 60) 4-Chlorophenyl-phenylether | 10.33 | 204 | 86980 | 28.32 | ng | | 94 |
| 61) 4-Nitroaniline | 10.35 | 138 | 45289 | 24.60 | ng | | 92 |
| 62) Azobenzene | 10.49 | 77 | 238483 | 29.16 | ng | | 95 |
| 64) 4,6-Dinitro-2-methylphenol | 10.37 | 198 | 6991 | 6.20 | ng | # | 56 |
| 65) n-Nitrosodiphenylamine | 10.44 | 169 | 154132 | 24.39 | ng | | 99 |
| 66) 4-Bromophenyl-phenylether | 10.82 | 248 | 45426 | 23.58 | ng | # | 83 |
| 67) Hexachlorobenzene | 10.88 | 284 | 47222 | 22.05 | ng | # | 74 |
| 68) Atrazine | 10.98 | 200 | 51405 | 27.75 | ng | | 90 |
| 69) Pentachlorophenol | 11.07 | 266 | 16879 | 13.56 | ng | | 97 |
| 70) Phenanthrene | 11.29 | 178 | 264327 | 25.67 | ng | | 99 |
| 71) Anthracene | 11.33 | 178 | 225933 | 22.16 | ng | | 99 |
| 72) Carbazole | 11.49 | 167 | 272818 | 27.49 | ng | # | 98 |
| 73) Di-n-butylphthalate | 11.84 | 149 | 389339 | 31.37 | ng | | 99 |
| 74) Fluoranthene | 12.48 | 202 | 235547 | 21.16 | ng | | 92 |
| 76) Benzidine | 12.59 | 184 | 81547 | 10.28 | ng | | 97 |
| 77) Pyrene | 12.69 | 202 | 230643 | 19.53 | ng | | 100 |
| 79) Butylbenzylphthalate | 13.32 | 149 | 119808 | 21.04 | ng | # | 73 |
| 80) Benzo(a)anthracene | 13.88 | 228 | 181866 | 18.01 | ng | | 98 |
| 81) 3,3'-Dichlorobenzidine | 13.85 | 252 | 40778 | 11.10 | ng | | 96 |
| 82) Chrysene | 13.92 | 228 | 175322 | 18.13 | ng | | 100 |
| 83) Bis(2-ethylhexyl)phthalate | 13.88 | 149 | 222396 | 28.07 | ng | # | 93 |
| 84) Di-n-octyl phthalate | 14.49 | 149 | 321305 | 23.92 | ng | | 96 |
| 85) Indeno(1,2,3-cd)pyrene | 16.57 | 276 | 64216 | 6.98 | ng | | 97 |
| 87) Benzo(b)fluoranthene | 14.88 | 252 | 125739m | 18.29 | ng | | |
| 88) Benzo(k)fluoranthene | 14.91 | 252 | 77191m | 12.83 | ng | | |
| 89) Benzo(a)pyrene | 15.21 | 252 | 81882 | 13.86 | ng | # | 95 |
| 90) Dibenzo(a,h)anthracene | 16.59 | 278 | 55612 | 10.64 | ng | | 99 |
| 91) Benzo(g,h,i)perylene | 16.96 | 276 | 57894 | 11.39 | ng | | 95 |

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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